

FOE280" 6898E660

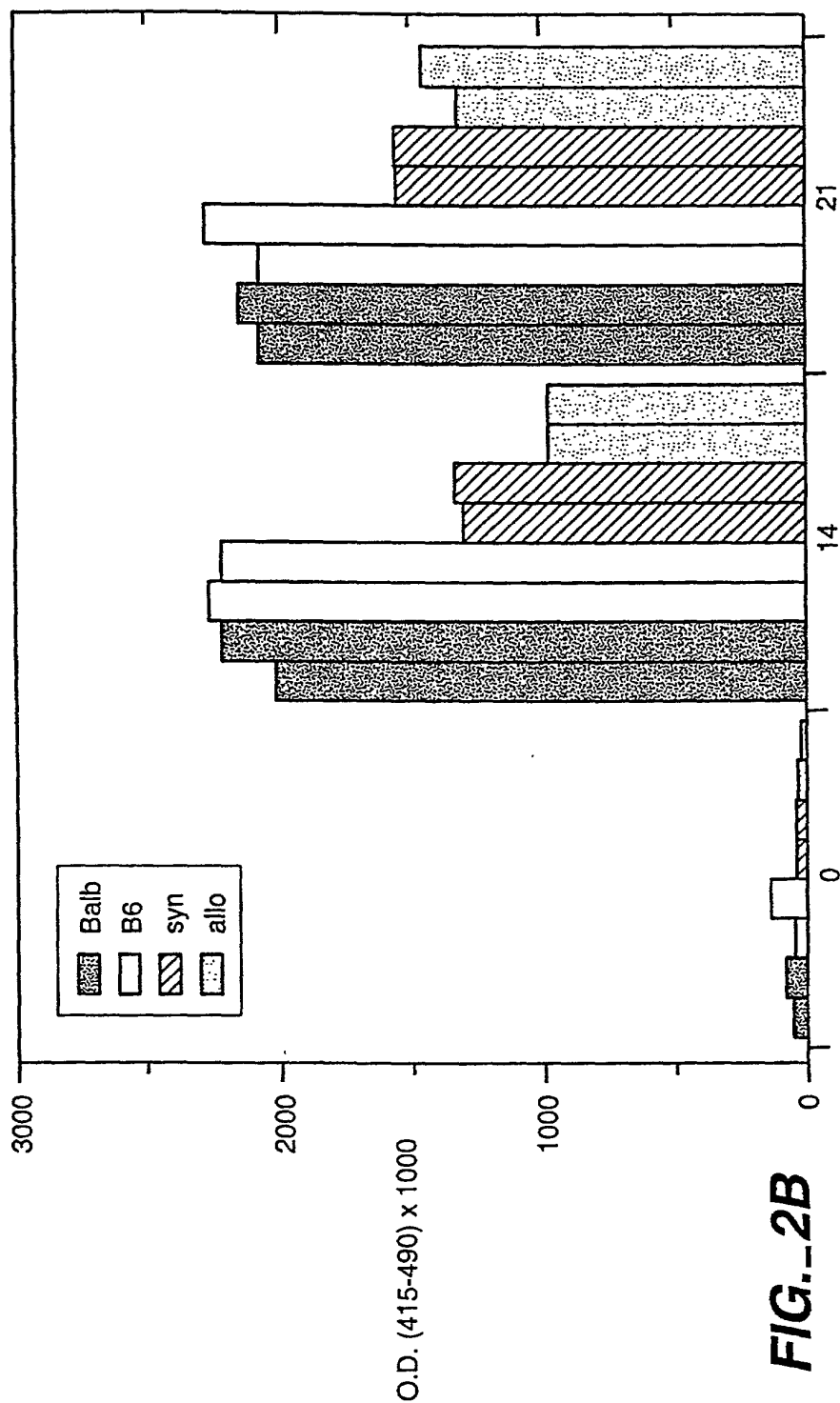


FIG.-2B

FOE220" 6893E650

FIG.\_3A

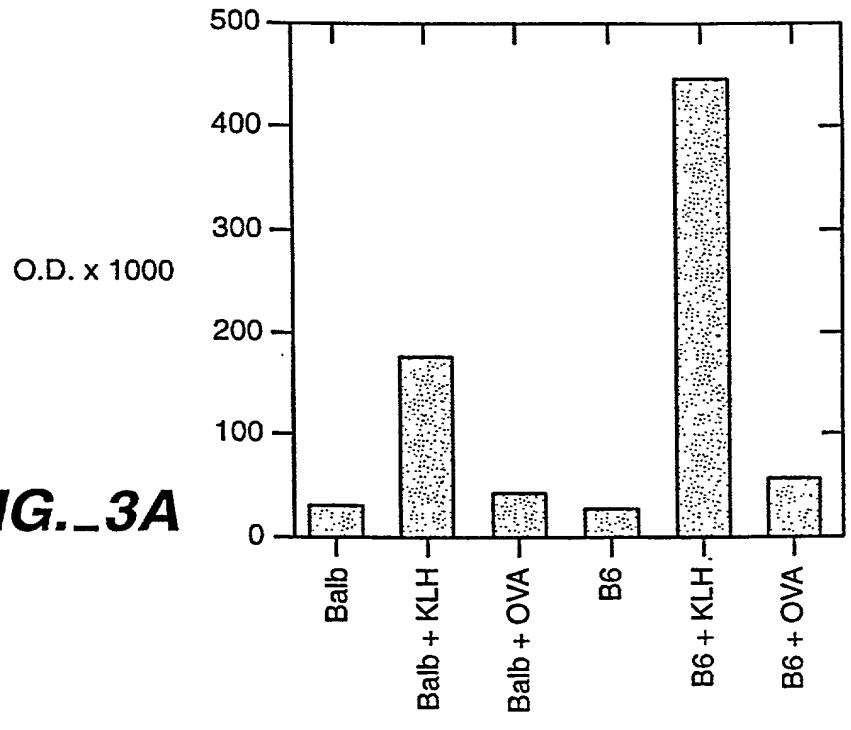


FIG.\_3B

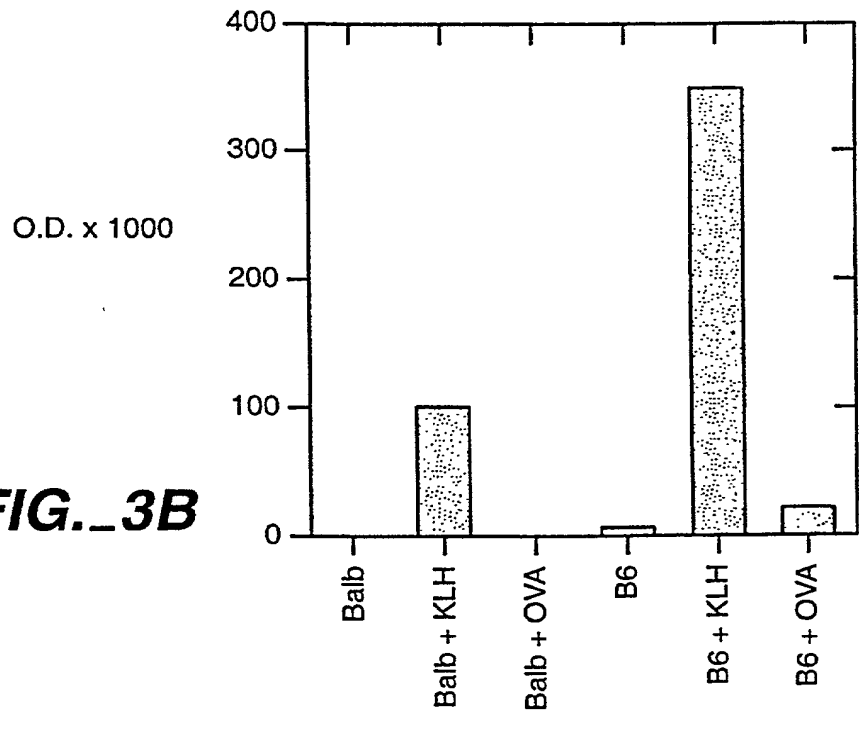


FIG. 220" 5893E650

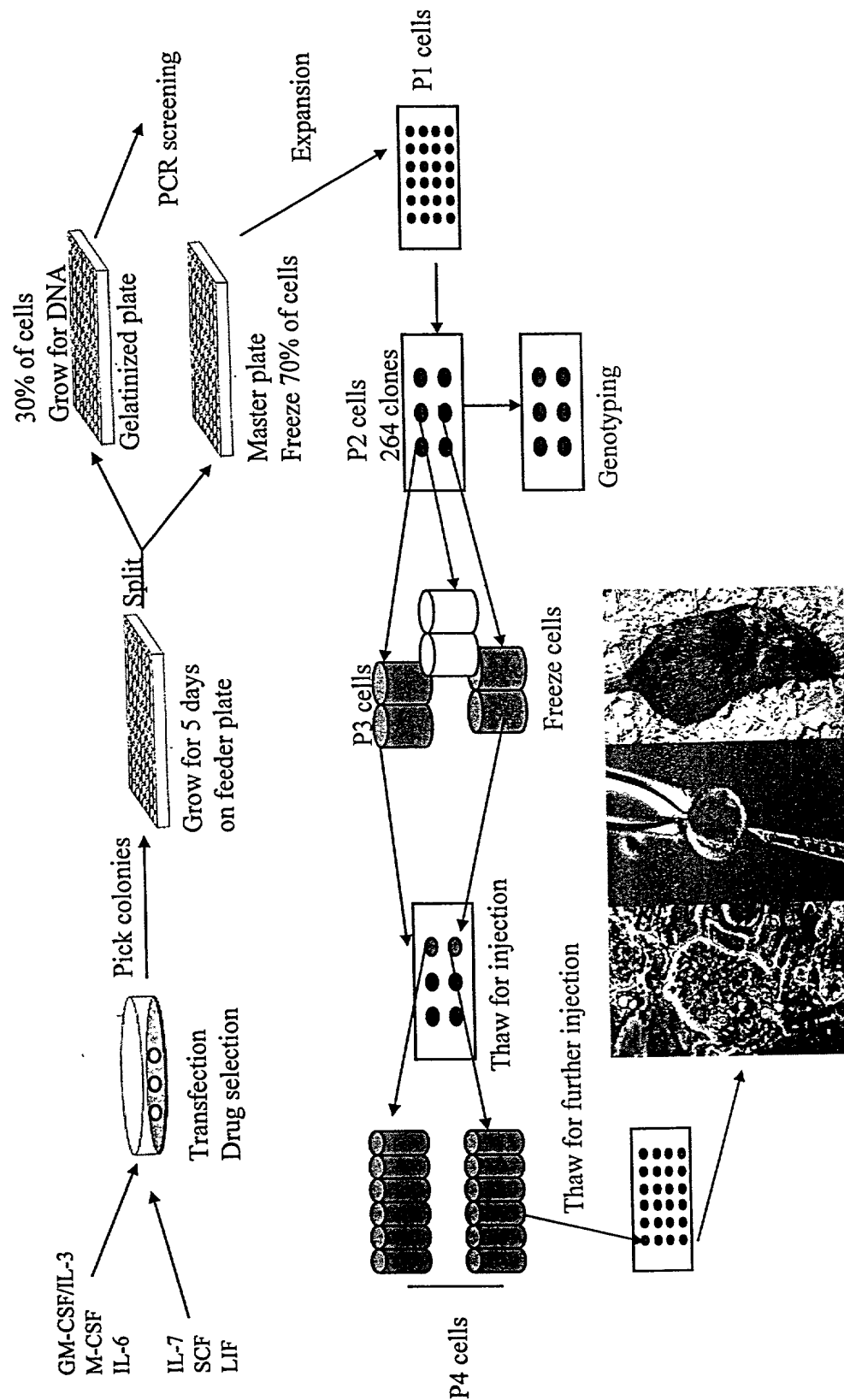


FIG. 4

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# Tissue Expression of Human Transgenes

(by RT-PCR)

Tg lines	Cytokines	spleen	thymus	liver	kidney	heart	muscle	lung	brain	BM
71	GM-CSF									
	M-CSF									
	IL-6									
74	IL-7									
	SCF									
	LIF									
75	IL-7									
	SCF									
	LIF									
Endogenous Genes	GM-CSF									
	M-CSF									
	IL-6									
	IL-7									
	SCF									
	LIF									

FIG. 5

## Cytokine Expression by Transgenic Mice (pg/ml)

	GM-CSF	M-CSF	IL-6	IL-7	SCF	LIF
<b>Clone12</b>						
BM stromal	0-0.34	0	0-0.194			
Serum	0.4-5.4	35-939	0			
<b>Clone71</b>						
BM stromal	0-14.1	0-3204	2-26			
Serum	0.2-5.0	926-1176	0.2-3.1			
<b>Clone74</b>						
BM stromal				0-354	7-125	0
Serum				0-2.0	0-2.5	0
<b>Clone75</b>						
BM stromal				20-188	0-8	0
Serum				0-1.1	0-10.4	0-149
<b>Clone182</b>						
BM stromal	0-0.16	0	0-5	0	26-256	0
Serum	0.3 (1)	0	0 (2)	0 (1)	0 (1)	0-3.5
<b>Clone185</b>						
BM stromal		2.4-2624	2.0-13			
Serum	0.1 (1)	1673 (1)	0 (1)		3.4 (1)	
<b>Clone201</b>						
BM stromal	0-129.3	0	0-20	0	0-160	
Serum	0.1 (1)	0-1897	0 (2)	0	0 (2)	

FIG. 6A

### ELISA Kit Sensitivities and Normal Human Serum Values

	Sensitivity (pg/ml)	Range (pg/ml)	Average (pg/ml)
GM-CSF	0.36	0-2.19	1.72
M-CSF	9	253-1715	670
IL-6	0.094	0.378-10.1	1.62
IL-7	0.1	0.27-8.7	2.2
SCF	9	558-1441	984
LIF	8	0-44.7	0 (39/40)

FIG. 6B

REF ID: A69366

# Human M-CSF Protein Expression and Modulation

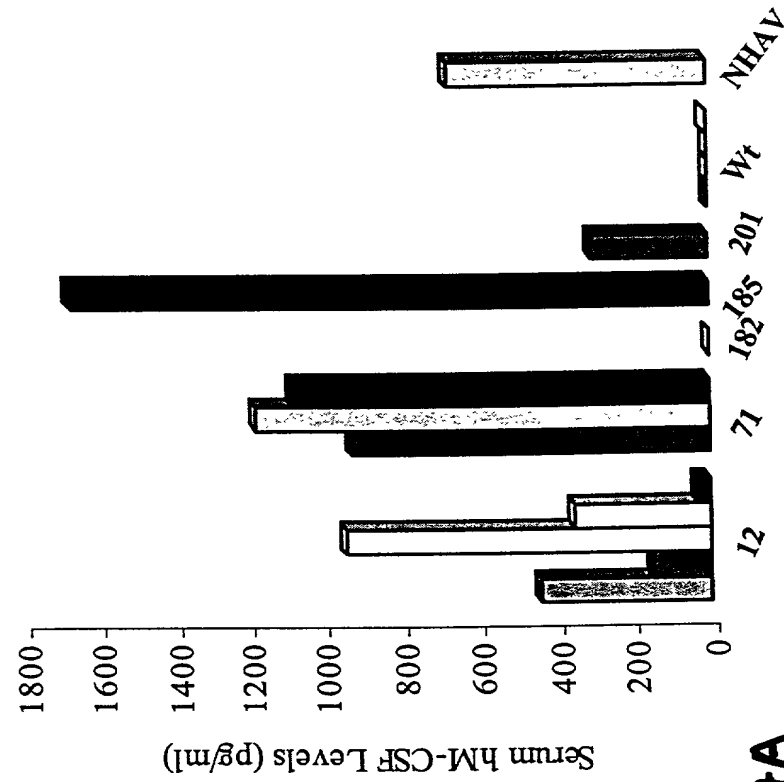


FIG. 7A

Normal human range: 253-1715 pg/ml.

NHAV: normal human average value: 670 pg/ml.

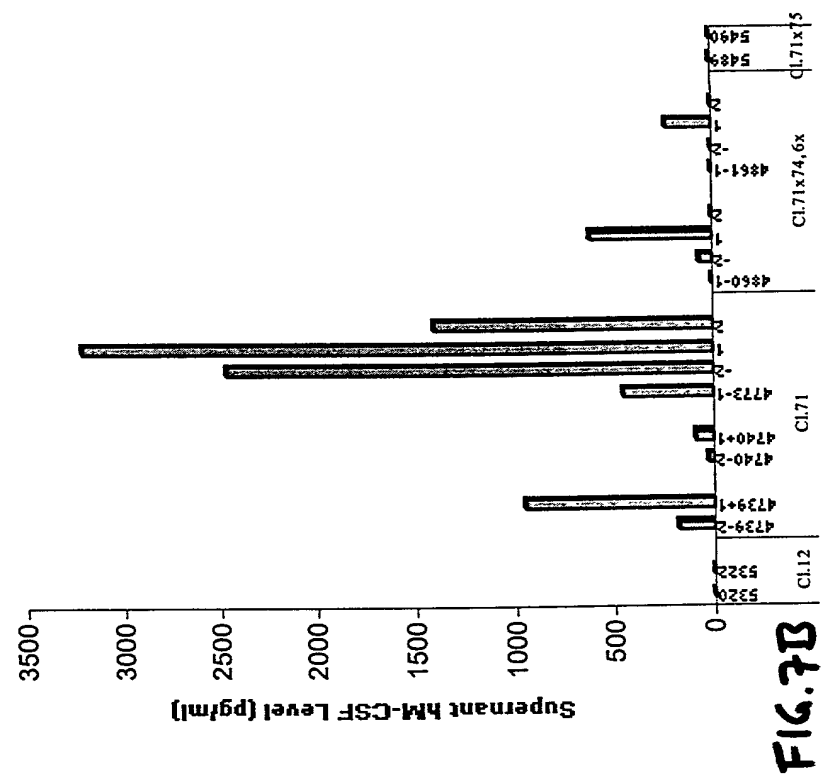


FIG. 7B

T0E250" 6B93E660

# Protocol

## Effects of Transgenic Murine Hematopoietic Microenvironment on Human Hematopoiesis In Vitro

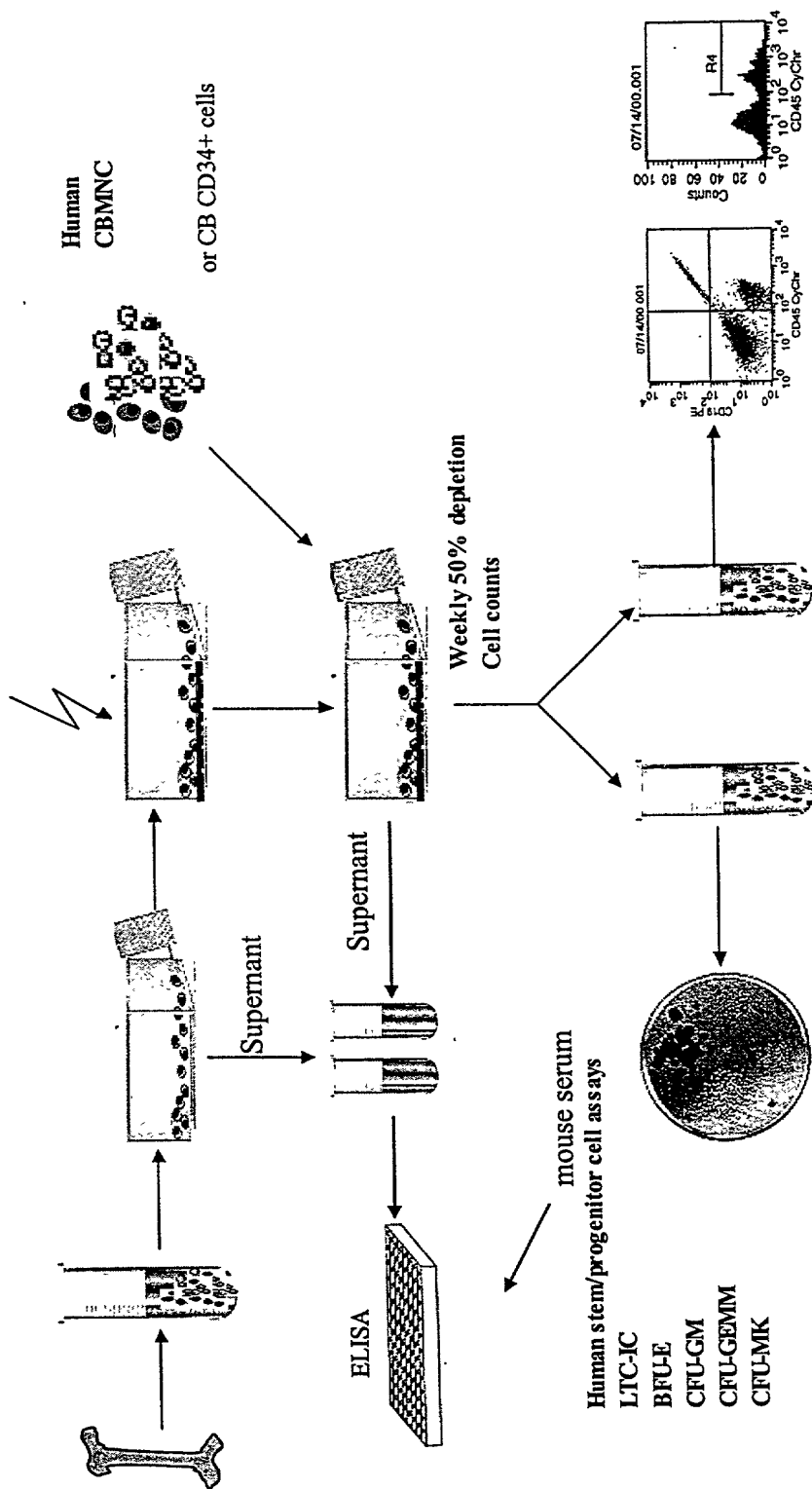


FIG. 8

FIG. 9

# Maintenance of Human Non-adherent Cell Production in vitro by BM Stromal Cells from *i*-mune Mice

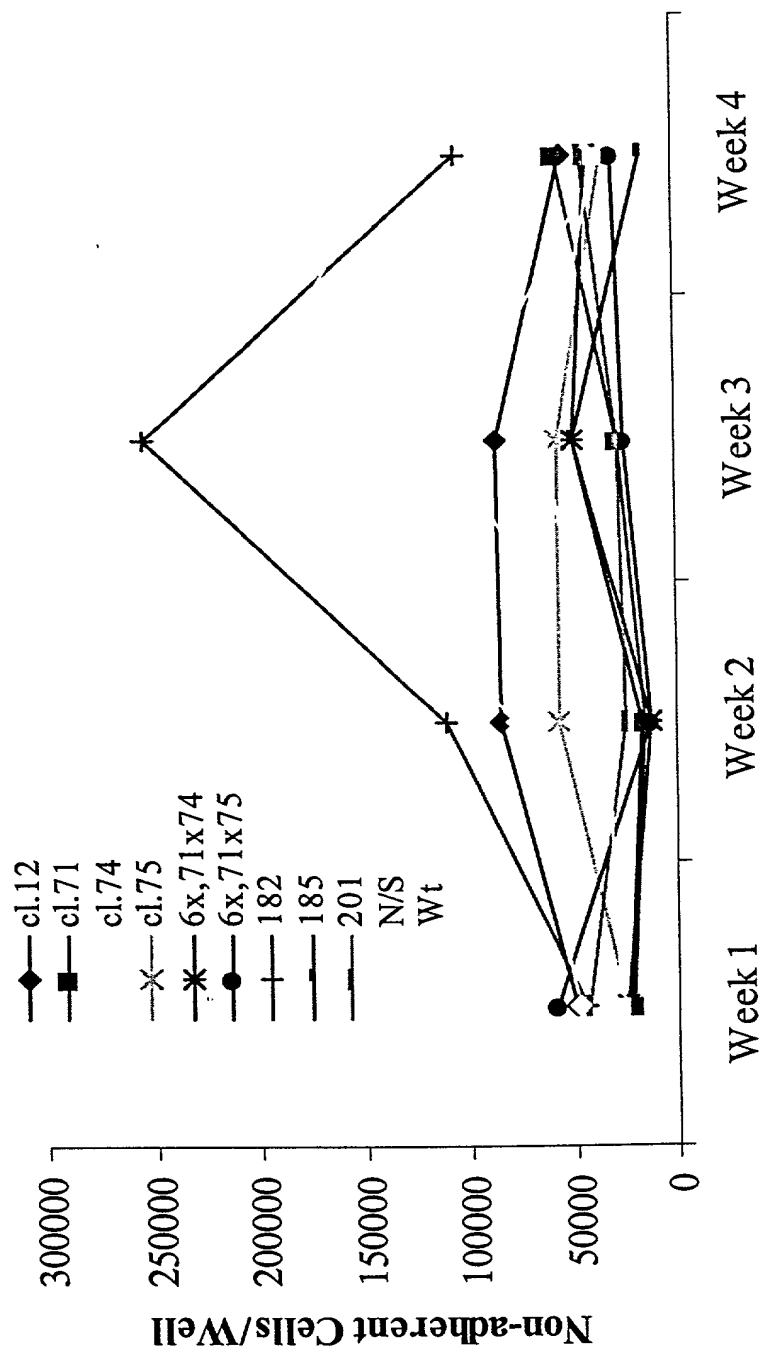


FIG. 9

FIG. 10

# Maintenance of Human Myeloid Progenitor Production in vitro by BM Stromal Cells from *i*-mune Mice

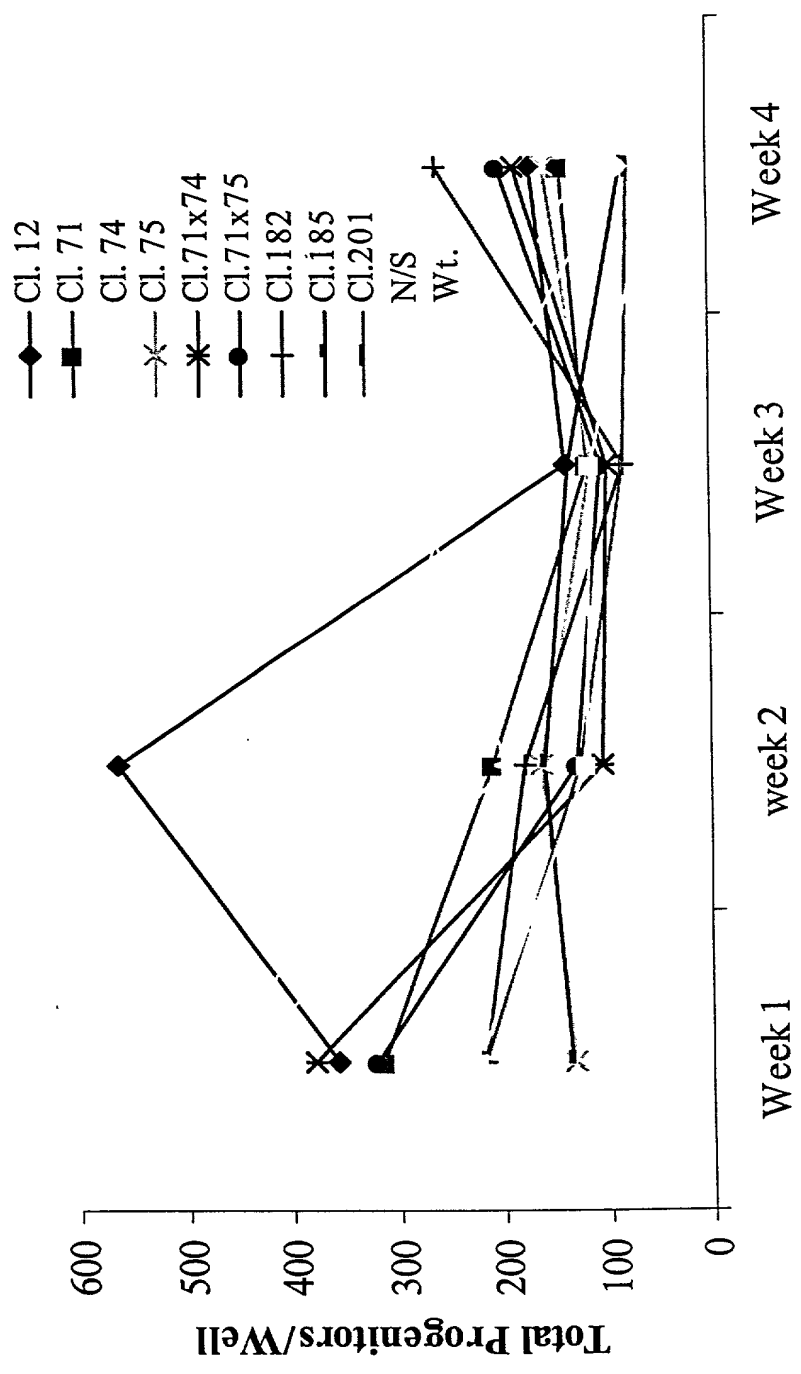


FIG. 10

# Maintenance of Human Myelopoiesis in vitro by BM Stromal Cells of *i*-mune Mice

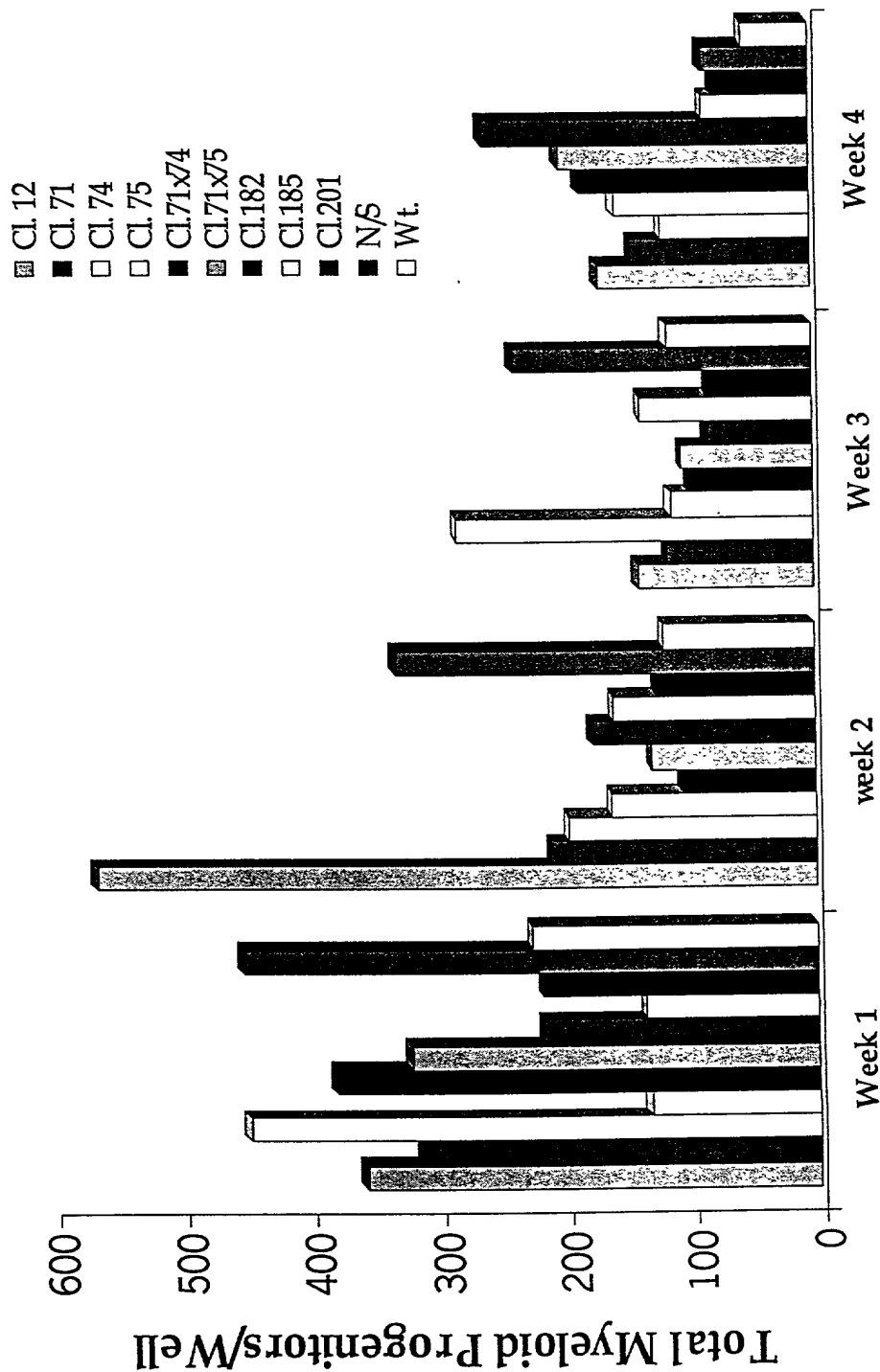


FIG. 11

FIG. 12

# Maintenance of Human Myelopoiesis in vitro by BM Stromal Cells of *i*-mune Mice (2)

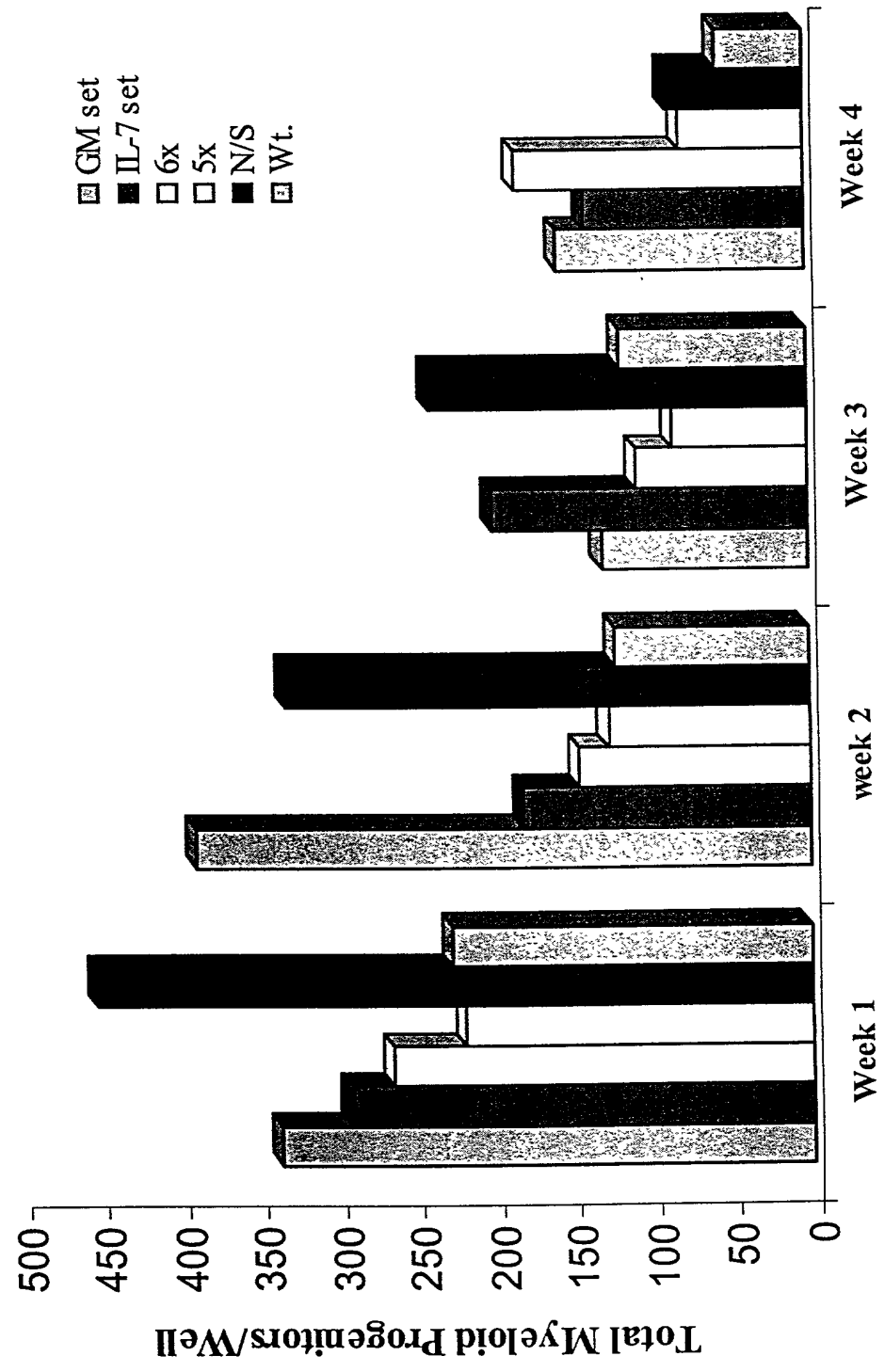


FIG. 12

FIG. 13

# Human Myeloid Progenitor Production in Week 4 BMLTCs Derived from *i*-mune Mice

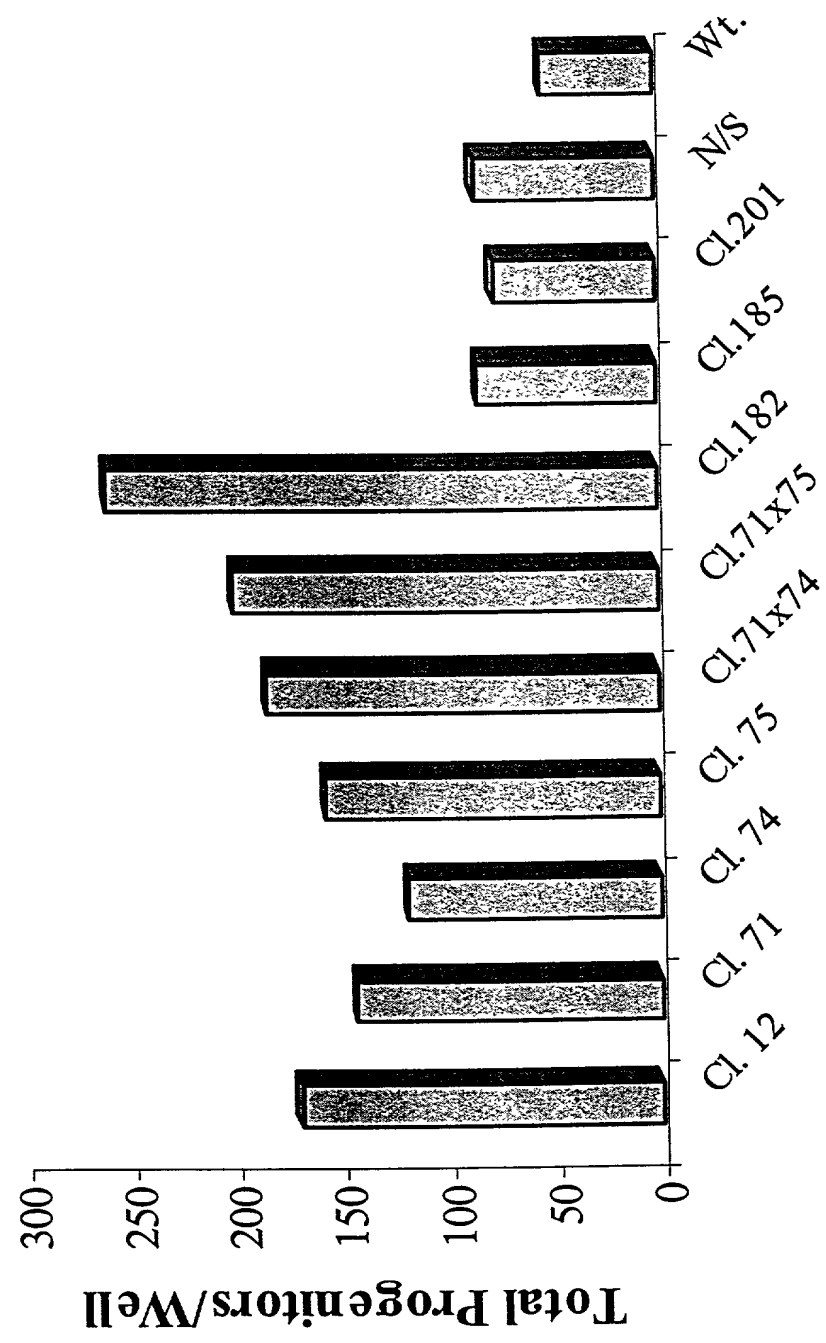


FIG. 13